

B. Weekly Attendance List

The attendance list is given weekly (for three weeks) and is used to generate the subjects' code for research data analysis purposes.

ATTENDANCE LIST

DATE:

CODE	ID	NAME	SIGNATURE
101			
102			
103			
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C. Essay Writing Task

The topics are randomly taken from TOEFL 2000 writing topics, which is available online.

INDEPENDENT ESSAY

There will be several topics that are provided but you are free to choose only ONE of them. You will have 30 minutes to plan, write, and revise your response. The length of the essay should be around 300 -350 words.

Questions:

1. Some people prefer to work for themselves or own business. Others prefer to work for an employer. Would you rather be self-employed, work for someone else, or own business? Use specific reasons to explain your choice
2. Some people trust their first impression about a person's character because they believe these judgments are generally correct. Other people do not judge a person's character quickly because they believe first impressions are often wrong. Compare these two attitudes. Which attitude do you agree with? Support your choice with specific examples.
3. Do you agree with the following statement? Telephones and email have made communication between people less personal. Use specific reasons and example to support your opinion?
4. Do you agree or disagree with the following statement? Television has destroyed communication among friends and family. Use specific reasons and examples to support your opinion.

Scoring criteria	Description
Content 30%	The essay is relevant with the topic
Organization 20%	Give clear, supported, logical, and organized idea
Vocabulary 20%	Use various, effective and proper words to express your idea
Language Use 25%	The essay's grammar does not obscure the meaning
Mechanics 5%	Includes error spellings, paragraphing, capitalization, punctuation, handwriting (readable), etc

D. ESL Composition Profile

This scoring sheet is adapted from the ESL Composition Profile designed by Jacobs et al.

RATER			TOTAL SCORE	
1	2.			
CODE NUMBER	TOPIC	DATE (DD/MM/YY)		
CONTENT	30-27	EXCELLENT TO VERY GOOD: knowledgeable • substantive • thorough development of thesis • relevant to assigned topic	COMMENTS	SCORE
	26-22	GOOD TO AVERAGE: some knowledge of subject • adequate range • limited development of thesis • mostly relevant to topic, but lacks detail		
	21-17	FAIR TO POOR: limited knowledge of subject • little substance • inadequate development of topic		
	16-13	VERY POOR: does not show knowledge of subject • non-substantive • non pertinent • OR not enough to evaluate		
ORGANIZATION	20-18	EXCELLENT TO VERY GOOD: fluent expression • ideas clearly stated/ supported • succinct • well-organized • logical sequencing • cohesive	COMMENTS	SCORE
	17-14	GOOD TO AVERAGE: somewhat choppy • loosely organized but main ideas stand out • limited support • logical but incomplete sequencing		
	13-10	FAIR TO POOR: non-fluent • ideas confused or disconnected • lacks logical sequencing and development		
	9-7	VERY POOR: does not communicate • no organization • OR not enough to evaluate		
VOCABULARY	20-18	EXCELLENT TO VERY GOOD: sophisticated range • effective word/idiom choice and usage • word for mastery • appropriate register	COMMENTS	SCORE
	17-14	GOOD TO AVERAGE: adequate range • occasional errors of effective word/idiom form, choice, usage but meaning not obscured		
	13-10	FAIR TO POOR: limited range • frequent errors of effective word/idiom form, choice, usage • meaning confused or obscured		
	9-7	VERY POOR: essentially translation • little knowledge of English vocabulary, idioms, word form • OR not enough to evaluate		
LANGUAGE USE	25-22	EXCELLENT TO VERY GOOD: effective complex constructions • few errors of agreement, tense, number, word order/function, article, pronouns, prepositions	COMMENTS	SCORE
	21-18	GOOD TO AVERAGE: effective but simple constructions • minor problems in complex constructions • several errors of agreement, tense, number, word order/function, article, pronouns, prepositions <u>but meaning seldom obscured</u>		
	17-11	FAIR TO POOR: major problems in simple/ complex constructions • frequent errors of negation, tense, number, word order/function, article, pronouns, prepositions and/ or fragments, run-ons, deletions • <u>meaning confused or obscured</u>		
	10-5	VERY POOR: virtually no mastery of sentence construction rules • dominated by errors • does not communicate • OR not enough to evaluate		
MECHANICS	5	EXCELLENT TO VERY GOOD: demonstrates mastery of conventions • few errors of spelling, punctuation, capitalization, paragraphing	COMMENTS	SCORE
	4	GOOD TO AVERAGE: occasional errors of spelling, punctuation, capitalization, paragraphing <u>but meaning not obscured</u>		
	3	FAIR TO POOR: frequent errors of spelling, punctuation, capitalization, paragraphing • poor handwriting • <u>meaning confused or obscured</u>		
	2	VERY POOR: no mastery of conventions • dominated by errors of spelling, punctuation, capitalization, paragraphing • handwriting illegible • OR not enough to evaluate		

E. Receptive Vocabulary Levels Test

The test is adapted from the original new version of the Vocabulary Levels Test designed by Nobert Schmitt, Diane Schmitt and C. Claphan (2001).

CODE:
DATE (DDMMYY):
SCORE:

VOCABULARY TEST

This is a vocabulary test. You must choose the right word to go with each meaning. Write the number of that word next to its meaning.

Here is an example.

1 business

2 clock _____ part of house

3 horse _____ animal with four legs

4 pencil _____ something used for writing

5 shoe

6 wall

You answer it in the following way.

1 business

2 clock 6 part of house

3 horse 3 animal with four legs

4 pencil 4 something used for writing

5 shoe

6 wall

Try to do every part of the test

The 2,000 Word Level

- 1 copy
- 2 event _____ end or highest point
- 3 motor _____ this moves a car
- 4 pity _____ thing made to be like another
- 5 profit
- 6 tip

- 1 accident
- 2 debt _____ loud deep sound
- 3 fortune _____ something you must pay
- 4 pride _____ having a high opinion of yourself
- 5 roar
- 6 thread

- 1 coffee
- 2 disease _____ money for work
- 3 justice _____ a piece of clothing
- 4 skirt _____ using the law in the right way
- 5 stage
- 6 wage

- 1 clerk
- 2 frame _____ a drink
- 3 noise _____ office worker
- 4 respect _____ unwanted sound
- 5 theater
- 6 wine

- 1 dozen
- 2 empire _____ chance
- 3 gift _____ twelve
- 4 opportunity _____ money paid to the government
- 5 relief
- 6 tax

- 1 admire
- 2 complain _____ make wider or longer
- 3 fix _____ bring in for the first time
- 4 hire _____ have a high opinion of someone
- 5 introduce
- 6 stretch

- 1 arrange
- 2 develop _____ grow
- 3 lean _____ put in order
- 4 owe _____ like more than something else
- 5 prefer
- 6 seize

- 1 blame
- 2 elect _____ make
- 3 jump _____ choose by voting
- 4 manufacture _____ become like water
- 5 melt
- 6 threaten

- 1 ancient
- 2 curious _____ not easy
- 3 difficult _____ very old
- 4 entire _____ related to God
- 5 holy
- 6 social

- 1 bitter
- 2 independent _____ beautiful
- 3 lovely _____ small
- 4 merry _____ liked by many people
- 5 popular
- 6 slight

The 3,000 word level

- 1 bull
- 2 champion _____ formal and serious manner
- 3 dignity _____ winner of a sporting event
- 4 hell _____ building where valuable objects are shown
- 5 museum
- 6 solution

- 1 blanket
- 2 contest _____ holiday
- 3 generation _____ good quality
- 4 merit _____ wool covering used on beds
- 5 plot
- 6 vacation

- 1 comment
- 2 gown _____ long formal dress
- 3 import _____ goods from a foreign country
- 4 nerve _____ part of the body which carries feeling
- 5 pasture
- 6 tradition

- 1 administration
- 2 angel _____ group of animals
- 3 frost _____ spirit who serves God
- 4 herd _____ managing business and
- 5 fort _____ affairs
- 6 pond

- 1 atmosphere
- 2 counsel _____ advice
- 3 factor _____ a place covered with grass
- 4 hen _____ female chicken
- 5 lawn
- 6 muscle

- 1 abandon
- 2 dwell _____ live in a place
- 3 oblige _____ follow in order to catch
- 4 pursue _____ leave something permanently
- 5 quote
- 6 resolve

- 1 assemble
- 2 attach _____ look closely
- 3 peer _____ stop doing something
- 4 quit _____ cry out loudly in fear
- 5 scream
- 6 toss

- 1 drift
- 2 endure _____ suffer patiently
- 3 grasp _____ join wool threads together
- 4 knit _____ hold firmly with your hands
- 5 register
- 6 tumble

- 1 brilliant
- 2 distinct _____ thin
- 3 magic _____ steady
- 4 naked _____ without clothes
- 5 slender
- 6 stable

- 1 aware
- 2 blank _____ usual
- 3 desperate _____ best or most important
- 4 normal _____ knowing what is happening
- 5 striking
- 6 supreme

The 5,000 Word level

- 1 analysis
- 2 curb _____ eagerness
- 3 gravel _____ loan to buy a house
- 4 mortgage _____ small stones mixed with sand
- 5 scar
- 6 zeal

- 1 cavalry
- 2 eve _____ small hill
- 3 ham _____ day or night before a holiday
- 4 mound _____ soldiers who fight from horses
- 5 steak
- 6 switch

- 1 circus
- 2 jungle _____ musical instrument
- 3 nomination _____ seat without a back or arms
- 4 sermon _____ speech given by a priest in a church
- 5 stool
- 6 trumpet

- 1 artillery
- 2 creed _____ a kind of tree
- 3 hydrogen _____ system of belief
- 4 maple _____ large gun on wheels
- 5 pork
- 6 streak

- 1 chart
- 2 forge _____ map
- 3 mansion _____ large beautiful house
- 4 outfit _____ place where metals are made and shaped
- 5 sample
- 6 volunteer

- 1 contemplate
- 2 extract _____ think about deeply
- 3 gamble _____ bring back to health
- 4 launch _____ make someone angry
- 5 provoke
- 6 revive

- 1 demonstrate
- 2 embarrass _____ have a rest
- 3 heave _____ break suddenly into small pieces
- 4 obscure _____ make someone feel shy or nervous
- 5 relax
- 6 shatter

- 1 correspond
- 2 embroider _____ exchange letters
- 3 lurk _____ hide and wait for someone
- 4 penetrate _____ feel angry about something
- 5 prescribe
- 6 resent

- 1 decent
- 2 frail _____ weak
- 3 harsh _____ concerning a city
- 4 incredible _____ difficult to believe
- 5 municipal
- 6 specific

- 1 adequate
- 2 internal _____ enough
- 3 mature _____ fully grown
- 4 profound _____ alone away from other things
- 5 solitary
- 6 tragic

Academic Word Level

- 1 area
- 2 contract _____ written agreement
- 3 definition _____ way of doing something
- 4 evidence _____ reason for believing
- 5 method _____ something is or is not true
- 6 role

- 1 debate
- 2 exposure _____ plan
- 3 integration _____ choice
- 4 option _____ joining something into a whole
- 5 scheme
- 6 stability

- 1 access
- 2 gender _____ male or female
- 3 implementation _____ study of the mind
- 4 license _____ entrance or way in
- 5 orientation
- 6 psychology

- 1 accumulation
- 2 edition _____ collecting things over time
- 3 guarantee _____ promise to repair a broken product
- 4 media _____ feeling a strong reason or need to do something
- 5 motivation
- 6 phenomenon

- 1 adult
- 2 exploitation _____ end
- 3 infrastructure _____ machine used to move people or goods
- 4 schedule _____ list of things to do at certain times
- 5 termination
- 6 vehicle

- 1 alter
- 2 coincide _____ change
- 3 deny _____ say something is not true
- 4 devote _____ describe clearly and exactly
- 5 release
- 6 specify

- 1 correspond
- 2 diminish _____ keep
- 3 emerge _____ match or be in agreement with
- 4 highlight _____ give special attention to something
- 5 invoke
- 6 retain

- 1 bond
- 2 channel _____ make smaller
- 3 estimate _____ guess the number or size of something
- 4 identify _____ recognizing and naming a person or thing
- 5 mediate
- 6 minimize

- 1 explicit
- 2 final _____ last
- 3 negative _____ stiff
- 4 professional _____ meaning `no' or `not'
- 5 rigid
- 6 sole

- 1 abstract
- 2 adjacent _____ next to
- 3 controversial _____ added to
- 4 global _____ concerning the whole world
- 5 neutral
- 6 supplementary

F. Productive Vocabulary levels Test

The test is adapted from the Productive Level Test (version C) created by Nation

(2001)

CODE:
DATE (DDMMYY):
SCORE:

PRODUCTIVE LEVEL TEST

Complete the underlined words.

Here is the example:

1. He was riding a bic_____

You answer in the following way

1. He was riding a bicycle

THE 2,000 WORD LEVEL

1. I'm glad we had this opp_____ to talk.
2. There are a doz_____ eggs in the basket.
3. Every working person must pay income t_____ .
4. The pirates buried the trea_____ on a desert island.
5. Her beauty and cha_____ had a powerful effect on men.
6. La_____ of rain led to a shortage of water in the city.
7. He takes cr_____ and sugar in his coffee.
8. The rich man died and left all his we_____ to his son.
9. Pup must hand in their papers by the end of the week.
10. This sweater is too tight. It needs to be stret_____ .
11. Ann intro_____ her boyfriend to her mother.
12. Teenagers often adm_____ and worship pop singers.
13. If you blow up that balloon any more it will bur_____ .
14. In order to be accepted into the university, he had to impr_____ his grades.
15. The telegram was deli_____ two hours after it had been sent.
16. The differences were so sl_____ that they went unnoticed.
17. The dress you're wearing is lov_____ .
18. He wasn't very popu_____ when he was a teenager, but he has many friends now.

THE 3,000 WORD LEVEL

1. He has a successful car_____ as a lawyer.
2. The thieves threw ac_____ in his face and made him blind.
3. To improve the country's economy, the government decided on economic ref_____ .
4. She wore a beautiful green go_____ to the ball.
5. The government tried to protect the country's industry by reducing the imp_____ of cheap goods.
6. The children's pranks were funny at first, but finally got on the parents'ner _____.
7. The lawyer gave some wise coun_____ to his client.
8. Many people in England mow the la_____ of their houses on Sunday morning.
9. The farmer sells the eggs that his he_____ lay.
10. Sudden noises at night sca_____ me a lot.
11. France was proc_____ a republic in the 18th century.
12. Many people are inj_____ in road accidents every year.
13. Suddenly he was thru_____ into the dark room.
14. He perc_____ a light at the end of the tunnel.
15. Children are not independent. They are att to their parents.
16. She showed off her sle_____ figure in a long narrow dress.
17. She has been changing partners often because she cannot have a sta_____ relationship with one person.
18. You must wear a bathing suit on a public beach. You're not allowed to walk na_____ .

THE 5,000 WORD LEVEL

1. Soldiers usually swear an oa_____ of loyalty to their country.
2. The voter placed the ball_____ in the box.
3. They keep their valuables in a vau_____ at the bank.
4. A bird perched at the window led_____ .
5. The kitten is playing with a ball of ya_____ .
6. The thieves have forced an ent_____ to the building.
7. The small hill was really a burial mou_____ .
8. We decided to celebrate New Year's E_____ together.
9. The soldier was asked to choose between infantry and cav_____ .
10. This is a complex problem which is difficult to compr_____ .
11. The angry crowd sho_____ the prisoner as he was leaving the court.
12. Don't pay attention to this rued remark. Just ign_____ it.
13. The management held a secret meeting. The issues discussed were not disc_____ to the workers.
14. We could hear the sergeant bel_____ commands to the troops.
15. The boss got angry with the secretary and it took a lot of tact to soo_____ him.

16. We do not have adeq_____ information to make a decision.
17. She is not a child, but a mat_____ woman. She can make her own decisions.
18. The prisoner was put in soli_____ confinement.

THE UNIVERSITY WORD LIST LEVEL

1. There has been a recent tr_____ among prosperous families towards a smaller number of children.
2. The ar_____ of his office is 25 square meters.
3. Phil_____ examines the meaning of life.
4. According to the communist doc _____, workers should rule the world.
5. Spending many years together deepened their inti_____ .
6. He usually read the sport sec_____ of the newspaper first.
7. Because of the doctors' strike the cli is closed today. 8. There are several misprints on each page of this te_____ .
8. There are several misprints on each page of this te_____
9. The suspect had both opportunity and mot_____ to commit the murder.
10. They insp_____ all products before sending them out to stores.
11. A considerable amount of evidence was accum_____ during the investigation.
12. The victim's shirt was satu_____ with blood.
13. He is irresponsible. You cannot re_____ on him for help.
14. It's impossible to eva_____ these results without knowing about the research methods that were used.
15. He finally att_____ a position of power in the company.
16. The story tells us about a crime and subs_____ punishment.
17. In a hom_____ class all students are of a similar proficiency.
18. The urge to survive is inh_____ in all creatures

G. Raw Data

1. Writing Quality

CODE	RATER 1					RATER 2				
	C	O	V	L	M	C	O	V	L	M
101	25	18	16	13	4	25	16	19	16	4
102	22	13	15	18	4	25	17	17	16	3
103	26	17	18	22	5	25	19	18	19	4
104	20	17	17	12	4	25	16	15	15	4
105	30	20	19	24	4	29	20	20	19	4
106	27	17	18	23	4	25	17	19	17	4
107	26	19	18	22	5	28	20	18	18	6
108	17	14	13	10	3	19	13	13	12	3
109	17	17	11	16	4	17	13	15	12	3
110	26	16	15	20	4	26	17	16	17	4
111	19	10	18	21	4	26	15	19	15	3
112	16	14	17	17	4	22	15	15	14	4
113	27	17	18	22	5	25	20	18	16	4
114	17	14	16	22	4	24	17	15	15	4
115	22	17	14	17	3	25	16	16	15	3
116	19	16	17	15	3	26	16	14	15	4
117	17	14	16	18	3	22	15	14	15	4
118	20	20	16	17	4	25	16	15	15	4
119	16	16	15	16	3	22	15	16	14	3
120	23	17	13	16	4	23	14	15	14	4

Note: Code = each individual or participant in the study
 Rater 1,2 = the first and the second rater
 C = Content (30%)
 O = Organization (20%)
 V = Vocabulary (20%)
 L = Language use (25%)
 M = Mechanics (5%)

2. Receptive Vocabulary Size – 2,000 Word level

key 6 3 1 5 2 4 6 3 4 6 1 3 4 1 6 6 5 1 2 1 5 4 2 5 3 1 5 3 6 5

code	part 1			part 2			part 3			part 4				part 5			part 6			Part 7			Part 8			Part 9			part 10		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
101	6	3	1	5	2	4	6	3	4	6	1	3	4	1	6	6	5	1	2	1	5	4	2	5	3	1	5	3	6	5	
102	4	3	1	5	2	4	6	3	4	6	1	3	4	1	6	6	5	1	2	1	5	4	2	5	3	1	5	3	6	5	
103	6	3	1	5	2	4	6	3	4	6	1	3	4	1	6	6	5	1	2	1	5	4	2	5	3	1	5	3	6	5	
104	5	3	1	5	2	4	6	4	3	6	1	3	4	1	6	6	5	1	2	1	5	4	2	5	3	1	5	3	6	5	
105	6	3	1	5	2	4	6	4	3	6	1	3	4	1	6	6	5	1	2	1	5	4	2	5	3	1	5	3	6	5	
106	6	3	1	5	2	4	6	4	3	6	1	3	4	1	6	6	5	1	2	1	5	4	2	5	3	1	5	3	6	5	
107	6	3	1	5	2	4	6	4	3	6	1	3	4	1	6	6	5	1	2	1	5	4	2	5	3	1	5	3	6	5	
108	5	3	1	5	2	4	6	4	3	6	1	3	4	1	6	4	5	1	2	1	5	4	2	5	3	1	5	4	1	5	
109	6	3	1	5	2	4	6	3	4	6	1	3	4	1	6	6	5	1	2	1	5	4	2	5	3	1	5	3	6	5	
110	6	3	1	5	2	4	6	3	4	6	1	3	4	1	6	6	5	1	2	1	5	4	2	5	3	1	5	3	6	5	
111	5	3	1	5	2	4	6	3	4	6	1	3	4	1	6	6	5	1	2	1	5	4	2	5	3	1	5	4	1	3	
112	5	3	1	4	2	5	6	4	3	6	1	3	4	1	6	6	5	1	2	1	5	4	2	5	3	1	5	3	6	5	
113	6	3	1	5	2	4	6	4	3	6	1	3	4	1	6	6	5	1	2	1	5	4	2	5	3	1	5	3	6	5	
114	6	3	1	5	2	4	6	4	3	6	1	3	4	1	6	6	5	1	2	1	5	4	2	5	3	1	5	3	6	5	
115	6	3	1	5	2	4	6	3	4	6	1	3	4	1	6	6	5	1	2	1	5	4	2	5	3	1	5	3	6	5	
116	6	3	1	5	2	4	6	3	4	6	1	3	4	1	6	6	5	1	2	1	5	4	2	5	3	1	5	3	6	5	
117	5	3	1	5	2	4	6	5	4	6	1	3	4	1	6	6	5	1	2	1	5	4	2	5	3	1	5	3	6	5	
118	5	3	1	5	2	4	6	5	4	6	1	3	4	1	6	6	5	1	2	1	5	4	2	5	3	1	5	3	6	5	
119	5	3	1	5	2	4	6	5	4	6	1	3	4	1	6	6	5	1	2	1	5	4	2	5	3	1	5	3	6	5	
120	6	3	1	5	2	4	6	4	3	6	1	3	4	1	6	6	5	1	2	1	5	4	2	5	3	1	5	3	6	6	

Note: KEY = answer key for each test item
 1-30 = test item number
 Part 1-10 = test clusters (each cluster has 3 items)

3. Receptive Vocabulary Size – 3,000 Word level

key 3 2 5 6 4 1 2 3 4 4 2 1 2 5 4 2 4 1 3 4 5 2 4 3 5 6 4 4 6 1

code	part 1			part 2			part 3			part 4			part 5			part 6			Part 7			Part 8			Part 9			part 10		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
101	3	2	5	6	4	1	2	3	4	4	2	1	2	5	4	2	4	1	1	4	5	2	4	3	5	6	4	4	6	1
102	3	2	5	6	3	1	2	3	5	6	2	1	2	5	4	6	3	1	1	4	5	3	5	6	5	6	4	4	6	1
103	3	2	5	6	4	1	2	3	4	4	2	1	2	5	4	2	4	1	2	4	5	2	4	3	5	6	4	4	6	1
104	3	2	5	6	4	1	2	3	4	4	2	1	2	5	4	2	3	5	2	4	5	2	4	3	5	6	4	4	6	1
105	3	2	5	6	4	1	2	3	4	4	1	2	2	5	4	2	4	1	3	4	1	2	4	3	5	6	4	4	6	1
106	3	2	5	6	4	1	2	3	4	4	2	1	3	5	4	2	4	1	2	4	5	6	4	3	5	6	4	4	6	1
107	3	2	5	6	4	1	2	3	4	4	2	1	2	5	4	2	3	1	3	4	5	2	4	3	5	6	4	4	6	1
108	3	2	5	6	4	1	2	3	4	3	4	1	2	5	4	3	5	4	1	4	5	6	3	2	5	1	4	4	6	1
109	3	2	5	6	4	1	3	4	5	5	2	1	2	5	4	2	4	1	1	4	5	2	4	3	5	6	4	4	6	1
110	3	2	5	6	4	1	2	3	4	4	2	1	2	5	4	2	4	1	3	4	5	2	4	3	5	6	4	4	6	1
111	3	2	5	6	4	1	2	3	4	5	2	1	2	5	4	-	3	1	2	4	5	2	4	3	5	6	4	4	6	1
112	3	2	5	6	4	1	2	6	4	-	2	1	5	3	4	-	4	3	1	4	5	3	4	2	5	6	4	4	6	1
113	3	2	5	6	4	1	2	3	4	4	2	1	2	5	4	2	4	1	3	4	5	2	4	3	5	6	4	4	6	1
114	3	2	5	6	4	1	2	3	4	4	2	1	2	5	4	2	4	1	3	4	5	2	3	4	5	6	4	4	6	1
115	3	2	5	6	4	1	2	3	4	4	2	1	2	5	4	2	3	1	2	4	5	2	4	3	5	6	4	4	6	1
116	3	2	5	6	4	1	2	3	4	4	2	1	2	5	4	2	4	1	3	4	5	2	4	3	5	6	4	4	6	1
117	3	2	5	6	4	1	2	3	4	6	2	1	2	5	4	2	1	4	1	4	5	6	4	3	5	6	4	4	6	1
118	3	2	5	6	4	1	2	3	4	4	2	1	2	5	4	2	4	1	3	4	5	2	4	3	5	6	4	4	6	1
119	3	2	5	6	4	1	2	3	4	4	2	1	2	5	4	2	4	1	3	4	5	2	4	3	5	4	6	4	6	1
120	3	2	5	6	4	1	2	3	4	4	2	1	2	5	4	2	4	1	3	4	5	2	4	3	5	6	4	4	6	1

Note: KEY = answer key for each test item
 Part 1-10 = test clusters (each cluster has 3 items)
 1-30 = test item number

4. Receptive Vocabulary Size – 5,000 Word level

key 6 4 3 4 2 1 6 5 4 4 2 1 1 3 2 1 6 5 5 6 2 1 3 6 2 5 4 1 3 5

code	part 1			part 2			part 3			part 4			part 5			part 6			Part 7			Part 8			Part 9			part 10		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
101	6	4	3	4	2	1	6	5	4	4	2	1	1	2	3	1	6	5	5	6	2	1	3	6	2	5	4	1	3	5
102	6	5	3	5	2	1	6	1	5	5	4	1	1	3	2	1	2	5	5	4	2	1	3	5	2	3	4	1	3	5
103	6	4	3	4	2	1	6	5	4	4	2	1	1	3	2	1	6	5	5	6	2	1	3	6	2	5	4	1	3	5
104	6	4	3	1	2	4	6	5	4	4	1	2	1	3	2	1	6	5	5	6	2	5	3	2	2	5	1	1	3	5
105	6	4	3	4	2	1	6	5	4	4	2	1	1	3	2	1	6	5	5	6	2	1	3	6	2	5	4	1	3	5
106	6	4	3	4	6	1	6	5	4	4	2	1	1	3	2	2	6	5	5	6	2	1	3	6	2	5	3	1	3	5
107	2	4	3	4	2	1	6	5	4	4	2	1	1	3	2	1	6	5	5	6	2	1	3	6	2	5	4	1	3	5
108	-	-	-	4	2	1	-	-	-	4	2	1	1	3	2	1	6	5	5	4	2	1	3	2	2	5	3	1	3	4
109	6	4	3	4	2	1	6	4	5	4	1	2	1	2	3	1	6	5	5	6	2	-	-	6	2	5	4	1	3	5
110	6	4	3	4	2	1	6	5	4	4	2	1	1	2	3	1	6	5	5	6	2	1	3	6	2	5	4	1	3	5
111	6	4	3	4	3	1	6	5	4	4	2	1	1	4	3	1	6	5	5	6	2	1	3	6	2	1	4	1	3	5
112	-	-	-	4	2	-	6	-	4	4	2	1	1	2	3	1	6	5	5	4	2	1	3	4	2	5	-	4	3	1
113	6	4	3	4	2	1	6	5	4	4	2	1	1	2	3	1	6	5	5	6	2	1	3	6	3	5	4	1	3	5
114	6	4	2	4	2	1	6	5	4	4	2	1	1	2	3	1	6	5	5	6	2	1	3	6	2	5	4	1	3	5
115	6	4	2	4	2	-	6	5	4	-	-	-	1	3	2	-	6	5	5	-	2	1	3	6	2	5	4	1	3	5
116	6	4	2	4	3	1	6	5	4	4	2	1	1	3	4	1	6	5	5	6	2	5	3	4	2	1	4	1	4	5
117	5	4	3	1	2	4	6	5	4	-	-	-	1	2	3	3	6	5	5	6	2	1	2	3	2	1	4	1	3	4
118	6	4	3	4	2	1	6	5	4	4	2	1	1	3	2	1	6	5	5	6	2	1	3	6	2	5	4	1	3	5
119	6	4	3	4	2	1	6	5	4	4	1	2	1	2	3	1	6	5	5	6	2	1	3	6	2	5	4	1	3	5
120	6	4	3	4	3	1	6	5	4	5	2	1	1	3	2	1	6	5	5	6	2	1	3	6	2	5	4	1	3	5

Note: KEY = answer key for each test item
 Part 1-10 = test clusters (each cluster has 3 items)
 1-30 = test item number

5. Receptive Vocabulary Size – Academic Vocabulary

key 2 5 4 5 4 3 2 6 1 1 3 5 5 6 4 1 3 6 6 5 4 6 3 4 2 5 3 2 6 4

code	part 1			part 2			part 3			part 4			part 5			part 6			Part 7			Part 8			Part 9			part 10		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
101	2	5	4	5	4	3	2	6	4	1	3	5	5	3	4	1	3	6	6	1	4	6	3	4	2	5	3	2	6	4
102	2	6	4	2	4	3	2	6	1	1	3	5	5	6	4	1	3	6	1	5	4	6	3	4	2	5	3	2	6	4
103	2	5	4	5	4	3	2	6	1	1	3	5	5	6	4	1	3	6	6	1	4	6	3	4	2	5	3	2	6	4
104	2	5	4	5	4	3	2	6	1	1	3	5	5	6	4	4	3	6	6	3	4	6	3	4	2	5	3	2	6	4
105	2	5	4	5	4	3	2	6	1	1	3	5	5	6	4	1	3	6	6	5	4	6	3	4	2	5	3	2	6	4
106	2	5	4	5	4	3	2	6	1	1	3	5	5	6	4	1	3	6	6	1	4	6	3	4	2	5	3	2	6	4
107	2	5	4	5	4	3	2	6	1	1	3	5	5	6	4	1	3	6	6	3	4	6	3	4	3	5	2	2	6	4
108	2	5	4	5	4	3	2	6	4	4	3	5	5	3	4	2	3	6	6	3	4	6	3	4	2	5	3	2	6	4
109	2	5	4	5	4	3	-	-	-	1	3	5	5	6	4	1	3	6	6	5	4	6	3	4	2	5	3	2	6	4
110	2	5	4	5	4	3	2	6	1	1	3	5	5	6	4	1	3	6	6	5	4	6	3	4	2	5	3	2	6	4
111	2	5	3	5	4	3	2	6	1	1	3	5	5	6	4	1	2	6	6	5	4	6	3	4	2	5	3	2	6	4
112	2	5	4	-	4	-	2	6	1	1	3	5	5	6	4	-	-	6	-	3	4	6	3	4	2	5	3	-	6	4
113	2	5	4	5	4	3	2	6	1	1	3	5	5	6	4	1	3	6	6	1	4	6	3	4	2	5	3	2	6	4
114	2	5	4	5	4	3	2	6	1	1	3	5	5	4	3	1	3	6	6	1	5	6	4	3	2	5	3	2	6	4
115	2	5	4	5	4	6	2	6	1	1	5	3	5	6	3	1	3	6	6	5	4	6	3	4	2	5	3	2	6	4
116	2	5	4	5	4	3	2	6	1	1	3	5	5	6	4	1	3	6	6	5	4	6	3	4	2	5	3	2	6	4
117	2	5	4	5	4	2	2	6	1	1	3	5	5	6	4	1	-	-	6	-	5	6	3	4	2	-	3	-	6	4
118	2	5	4	5	4	3	2	6	1	1	3	5	5	6	4	5	3	6	6	3	4	6	3	4	2	1	3	3	6	4
119	2	5	4	5	4	3	2	6	1	1	3	5	5	6	4	1	3	6	6	5	4	6	3	4	2	5	3	2	6	4
120	2	5	4	5	4	3	2	6	1	1	3	5	5	6	4	1	3	6	6	5	4	6	3	4	2	5	3	2	6	4

Note: KEY = answer key for each test item
 Part 1-10 = test clusters (each cluster has 3 items)
 1-30 = test item number

6. Productive Vocabulary Size – 2,000 Word Level

key	opportunity	dozen	tax	treasure	charm	lack	cream	wealth	pupils	stretched	introduced or introduces	admire	burst	improve	delivered	slight	lovely	popular
ALT 1	opportunities	dozens	taxes	treasures	charming		creamer	wealths	pupil	strech	introduce			improved	deliver	slightly	lovable	
ALT 2				traassure										improves	delivers			

code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
101	opportunity	dozen	tax	treasure	charm	lack	cream	wealth	pupils	stretched	introduce	admire	burst	improve	delivered	slight	lovely	popular
102	opportunity	dozen	tax	treasure	charm	lack	cream	wealth	puppet	stretched	introduced	admire	burst	improve	delivered	slight	lovely	popular
103	opportunity	dozen	tax	treasure	charm	lack	cream	wealth	pupils	stretched	introduced	admire	burst	improve	delivered	slight	lovely	popular
103	opportunity	dozen	tax	treasure	charm	lack	cream	wealth	pupil	stretched	introduces	admire	burst	improve	delivered	slight	lovely	popular
104	opportunity	dozen	tax	treasure	charm	lack	cream	wealth	pupil	stretched	introduces	admire	burst	improve	delivered	slight	lovely	popular
105	opportunity	dozen	tax	treasure	charm	lack	cream	wealth	pupils	stretched	introduces	admire	burst	improve	delivered	slight	lovely	popular
106	opportunity	dozen	tax	treasure	charm	lack	cream		pupils	stretched	introduced	admire		improve	delivered	slight	lovely	popular
107	opportunity	dozen	tax	treasure	charm	lack	cream	wealth	pupil	stretched	introduces	admire	burst	improve	delivered	slight	lovely	popular
108	opportunity	dozen	tax	treasure	charm	-	cream	wealth	pupils	stretched	introduced	admire	burst	improve	delivered	slowly	lovely	popular
109	opportunity	dozen	tax	-	character	lack	cream	welfare	pupils	stretched	introduces	admire	burst	improve	delivered	slow	lovely	popular
110	opportunity	dozen	tax	treasure	charm	lack	cream	wealth	pupils	stretched	introduced	admire	burst	improve	delivered	slight	lovely	popular
111	opportunity	dozen	tax	treasure	charm	lack	cream	wealth	pupil	stretched	introduce	admire	burst	improve	delivered	slight	lovely	popular
112	opportunity	dozen	tax	treasure	charm	-	cream	wealth	pupils	stretched	introduces	admire		improve	delivered	slight	lovely	popular
113	opportunity	dozen	tax	treasure	charm	lack	cream	wealth	pupils	stretched	introduced	admire	burst	improve	delivered	slight	lovely	popular
114	opportunity	dozen	tax	treasure	charm	lack	cream	wealth	pupils	stretched	introduced	admire	burst	improve	delivered	slight	lovely	popular
115	opportunity	dozen	tax	treasure	charm	lack	cream	wealth	pupils	stretched	introduces	admire		improve	delivered	slight	lovely	popular
116	opportunity	dozen	tax	treasure	charm	lack	cream	wealth	pupils	stretched	introduced	admire	burst	improve	delivered	slight	lovely	popular
117	opportunity	dozen	tax	treasure	charm	lack	cream	wealth	pupil	stretched	introduce	admire	burst	improve	delivered	slight	lovely	popular
118	opportunity	dozen	tax	treasure	charm	lack	cream	wealth	pupils	stretched	introduces	admire	burst	improve	delivered	slight	lovely	popular
119	opportunity	dozen	tax	treasure	charm	large	cream	wealth	pupil	stretched	introduce	admire		improve	delivered	slight	lovely	popular
120	opportunity	dozen	tax	treasure	charm	lack	cream	wealth	pupils	stretched	introduces	admire	burst	improve	delivered	slight	lovely	popular

Note: KEY = expected response with correct grammar
 ALT 1-2 = alternative responses that reflect partial vocabulary knowledge
 1 – 18 = test item number

7. Productive Vocabulary Size – 3,000 Word Level

key	career	acid	reform	gown	import	nerve	counsel	lawn	hen or hens	scare or scared	proclaimed	injured	thrusted	perceives or perceived	attached	slender	stable	naked
ALT1	carreer		reformation	goun	importing	nerves	counseling			scares	proclaim	injure	thrust	perceive	attach			
ALT2			reformacy				council			scary	proclaims	injures	thrusts					
ALT3							council											
ALT4							counceling											

code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
101	career	accu	refinance	gown	import	nerve	counseling	lawn	hens	scared	proclaimed	injured	thrust	-	attentive	slender	stable	naked
102	career	acid	refusal	gown	implementation	nervous	counter	lawn	hen	scare	proclaimed	injured	thruw	perceived	attained	slenty	status	naked
103	career	acid	referendum	gown	import	nerves	counsel	lawn	hens	scare	proclaimed	injured	-	perceived	attached	slender	stable	naked
104	carrier	acid	refund	gown	import	nerd	counsel	lawn	held	scare	proclaimed	injured	thrust	percy	attend	slept	stabil	naked
105	career	acid	reform	gown	import	nerve	counsel	lawn	hen	scared	proclaimed	injured	thrusted	perceived	-	slender	stable	naked
106	career	acid	refund	gown	import	nerve	counsel	lawn	hen	scared	proclaimed	injured	-	perceived	attached	-	stable	naked
107	career	acid	refinement	gown	import	nerves	counsel	lawn	hen	scared	proclaimed	injured	thrusted	perceived	attended	slender	stable	naked
108	-	-		gown	-	nerve	counsel	lawn	hen	scares	proclaimed	injured	-	-	-	-	stable	naked
109	career	acid	-	gown	import	nerve	counsel	lawn	hen	scared	proclaimed	injured	-	-	attached	-	stable	naked
110	career	acid	reform	gown	import	nerve	counsel	lawn	hens	scared	proclaimed	injured	thrusted	perceived	attached	-	stable	naked
111	career	acid	-	gown	import	nerve	-	land	hen	scare	proclaimed	injured	thrust	perceive	-	slender	stable	naked
112	carrier	acid	-	gown	-	nerve	-	-	-	scare	proclaimed	injured	-	-	attempt	sleves	stable	-
113	carreer	acid	refain	gown	import	nerve	counsel	lawn	hen	scare	proclaimed	injured	thrusted	-	attached	slender	stable	naked
114	career	acid	reference	gown	import	nervous	counsel	lawn	hens	scare	proclaimed	injured	thrusted	perceived	attached	slender	stable	naked
115	career	acid	-	gown	import	nerve	counsel	lawn	hen	scary	proclaimed	injured	-	-	attached	slender	stable	naked
116	-	acid	-	gown	improvement	nerve	-	lawn	head	scare	proclaimed	injured	-	-	-	-	-	naked
117	carreer	acid	-	gown	import	nervous	-	lawn	hen	scared	proclaimed	injured	-	-	-	-	stable	naked
118	career	acid	-	gown	import	nerve	counsel	lawn	hen	scared	proclaimed	injured	thrusted	perceived	attached	slender	stable	naked
119	career	-	-	gown	import	nerve	-	lawn	hen	scared	proclaimed	injured	-	-	-	slender	stable	naked
120	carrier	-	reflection	gown	impact	-	counseling	-	hen	scarry	proclaimed	injured	-	-	attended		stand	naked

Note: KEY = expected response with correct grammar
 ALT 1-4 = alternative responses that reflect partial vocabulary knowledge
 1 – 18 = test item number

8. Productive Vocabulary Size – 5,000 Word Level

key	oath	ballot or ballots	vault	ledge	yarn	entrance	mound	eve	cavalry	comprehend	shoved	ignore	disclosed	bellow	sooth	adequate	mature	solitary
ALT 1						enter	mountain			comprehense	shove	ignored	disclose		soothed			
ALT 2						entry	mount						discloses		soothe			

code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
101	oath	ballot	vault	ledge	-	entry	mourgue	eve	cavalry	comprehend	shout	ignore	disclosed	-	sooth	adequate	mature	solid
102	oath	ballot	-	ledge	yarn	entrance	mound	eve	cavalry	comprehend	-	ignore	-	bellow	sooth	adequate	mature	solitary
103	oath	ballot	vault	ledge	yarn	entrance	mound	eve	cavalry	comprehend	shoved	ignore	disclosed	bellow	sooth	adequate	mature	solitary
104	oath	ballot	-	ledge	yarn	entrance	mound	eve	cavalry	comprehend	-	ignore	-	bellow	sooth	adequate	mature	solitary
105	oath	ballot	vault	ledge	yarn	entry	mound	eve	cavalry	comprehend	shoved	ignore	disclosed	bellow	sooth	adequate	mature	solitary
106	oath	ballots	vault	-	yarn	-	mountain	eve	cavalry	comprehend	shoved	ignore	disclosed	-	sooth	adequate	mature	solitary
107	oath	ballot	vault	ledge	yarn	entrance	mound	eve	cavalry	-	shoved	ignore	disclosed	bellow	sooth	adequate	mature	solitary
108	oaf	ballpaper	vaunter	ledge	yarn	entrance	mountain	eve	cavalry	comprehend	shoved	ignore	discussed	belly	-	adequate	mature	solitary
109	oath	ballot	-	ledge	yarn	entrance	mound	eve	cavalry	comprehend	shoved	ignore	disclosed	bellow	sooth	adequate	mature	solitary
110	oath	ballot	vault	ledge	yarn	entrance	mound	eve	cavalry	comprehend	shoved	ignore	disclosed	bellow	sooth	adequate	mature	solitary
111	oath	ballot	-	-	-	entrance	mound	eve	cavalry	-	-	ignore	-	bellow	sooth	adequate	mature	-
112	oath	ballot	-	-	-	entrance	mound	eve	cavalry	compromise	shouted	ignore	-	bellow	sooth	adequate	mature	solitary
113	oath	ballot	vault	ledge	yarn	entrance	mound	eve	cavalry	comprice	shooed	ignore	discussed	bell	sooth	adequate	mature	solitary
114	oath	ballot	-	-	-	entrance	mound	eve	cavalry	comprehend	-	ignore	disclosed	bellow	sooth	adequate	mature	solitary
115	oath	ballot	-	ledge	yarn	entrance	mound	eve	-	-	shoved	ignore	disclosed	bellow	-	adequate	mature	solitary
116	oath	ballot	-	ledge	yarn	entrance	mound	eve	cavalry	comprehend	-	ignore	disclosed	bellow	sooth	adequate	mature	-
117	-	ballot	-	-	-	entrance	mound	eve	cavalry	comprehend	shouted	ignore	discussed	-	-	adequate	mature	solid
118	oath	ballot	vault	ledge	yarn	entrance	mound	eve	cavalry	comprehend	shoved	ignore	disclosed	bellow	sooth	adequate	mature	solid
119	-	-	-	ledger	yarn	entrance	mound	eve	cave	comprehend	show	ignore	-	-	sooth	adequate	mature	solitary
120	-	-	-	-	-	-	mountain	eve	-	comprehend	-	ignore	discussed	bellow	-	adequate	mature	solitary

Note: KEY = expected response with correct grammar
 ALT 1-2 = alternative responses that reflect partial vocabulary knowledge
 1 – 18 = test item number

9. Productive Vocabulary Size – AWL Word Level

key	trend	area	philosophy	doctrine	intimacy	section	clinic	text	motive	inspect or inspected	accumulated	saturate	rely	evaluate	attained or attains	subsequent	homogeneous or homogenous	inherent
ALT 1		areas		doctrin	intimate		clinique		motives	inspects	accumulate	saturate		evaluation	attain			
ALT 2				document	intimation				motivation		accumulates	saturation						
ALT 3											accumulation							

code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
101	trend	area	philosophy	doctrine	intimacy	section	clinic	text	motive	inspect	accumulate	saturate	rely	evaluate	attained	subsequent	homogeneous	inherent
102	trend	area	philosophy	doctrine	intimacy	section	clinic	text	motive	inspect	accumulate	saturate	rely	evaluate	attained	subsequent	homogeneous	inherent
103	trend	area	philosophy	doctrine	intimacy	section	clinic	text	motivation	inspected	accumulated	saturated	rely	evaluate	attained	subsequent	homogeneous	inhibited
104	trend	area	philosophy	doctrine	intimacy	section	clinic	text	motive	inspect	accumulate	saturate	rely	evaluate	attained	-	homogeneous	-
105	trend	area	philosophy	doctrine	intimacy	section	clinic	text	motive	inspect	accumulated	saturated	rely	evaluate	attained	subsequent	homogeneous	inherent
106	trend	area	philosophy	doctrine	intimacy	section	clinic	text	motive	inspect	accumulate	saturate	rely	evaluate	attained	subsequent	homogeneous	inherent
107	trend	area	philosophy	doctrine	intimacy	section	clinic	text	motive	inspect	accumulated	saturated	rely	evaluate	attained	subsequent	homogeneous	inherent
108	-	-	philosophy	doctrine	intimacy	section	clinic	text	-	-	accumulate	-	rely	evaluate	attach	-	-	-
109	truth	area	philosophy	document	intimation	section	clinic	text	motivation	inspect	accumulated	saturn	rely	evaluate	attend	substantial	homework	inhealth
110	trend	area	philosophy	doctrine	intimacy	section	clinic	text	motive	inspect	accumulated	saturated	rely	evaluate	attained	-	homogeneous	-
111	trend	arch	philosophy	document	intimacy	section	clinic	text	motive	inspect	accumulated	saturated	rely	evaluate	attain	-	homogeneous	inhibit
112	trend	area	-	doctrine	intimacy	section	-	-	motive	-	accumulate	saturated	rely	evaluate	attained	-	-	inhabitant
113	trend	area	philosophy	doctrine	intimacy	section	clinic	text	motif	inspected	accumulated	saturated	rely	evaluate	attained	subsequent	homogeneous	inherited
114	treatment	area	philosophy	doctrine	intimation	section	clinic	text	motivation	inspect	accumulated	saturated	rely	evaluate	attends	-	-	-
115	trend	area	-	doctrine	intimacy	section	clinic	text	-	inspect	accumulate	saturate	rely	evaluate	attained	-	-	-
116	trend	area	-	doctrine	intimation	section	clinic	text	motive	inspect	accumulate	saturate	rely	evaluate	attained	-	-	inherent
117	tragedy	area	philosophy	doctrine	intimacy	section	clinic	text	motive	inspect	accumulated	saturated	rely	evaluate	attain	-	homogeneous	-
118	trend	area	philosophy	doctrine	intimacy	section	clinique	testimony	motive	inspect	accumulated	saturated	rely	evaluate	attained	subsidiary	homogeneous	inhibited
119	treasure	area	philosophy	document	intimation	section	clinic	text	motivation	inspire	accumulated	saturated	responsive	evaluate	attain	subsidiary	homogeneous	inhale
120	trend	area	philosophy	document	intimacy	section	clinic	text	motive	inspect	accumulated	saturated	rely	evaluate	attained	-	-	inherent

Note: KEY = expected response with correct grammar
 ALT 1-3 = alternative responses that reflect partial vocabulary knowledge
 1 – 18 = test item number

H. Vocabulary Size Conversion Data

1. Receptive Vocabulary Size – 2000 word level

code	part 1			part 2			part 3			part 4			part 5			part 6			Part 7			Part 8			Part 9			part 10			TOTAL					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30						
101	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	
102	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	29	
103	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	
104	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	28	
105	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	
106	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	28	
107	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	
108	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	26	
109	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	
110	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	
111	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	0	1	27	
112	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	29	
113	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30
114	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30
115	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30
116	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30
117	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	29
118	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	29
119	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	29
120	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	29

Note: Part 1-10 = test clusters (each cluster has 3 items)
 1- 30 = test item number
 TOTAL = sum of correct responses

2. Receptive Vocabulary Size – 3000 word level

code	part 1			part 2			part 3			part 4			part 5			part 6			Part 7			Part 8			Part 9			part 10			TOTAL					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30						
101	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30
102	1	1	1	1	0	1	1	1	0	0	1	1	1	1	1	0	0	1	0	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	21
103	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30
104	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	27
105	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30
106	1	1	1	1	1	1	2	1	1	1	1	1	0	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	28
107	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	29
108	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	0	0	0	1	0	1	1	1	1	1	1	1	1	22
109	1	1	1	1	1	1	3	1	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	29
110	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30
111	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	26
112	1	1	1	1	1	1	1	1	1	0	1	1	0	0	1	0	1	0	0	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	22
113	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30
114	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	28
115	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	28
116	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30
117	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	25
118	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30
119	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	27
120	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30

Note: Part 1-10 = test clusters (each cluster has 3 items)
 1- 30 = test item number
 TOTAL = sum of correct responses

5. Productive Vocabulary Size – 2000 Word Level

CODE	Part 1			Part 2			Part 3			Part 4			Part 5			Part 6			TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
101	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	16
102	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	16
103	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18
104	1	1	1	1	1	1	1	1	0.5	1	1	1	1	1	1	1	1	1	17.5
105	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18
106	1	1	1	1	1	1	1	0	1	0.5	1	1	0	1	1	1	1	1	15.5
107	1	1	1	1	1	1	1	1	0.5	1	1	1	1	1	1	1	1	1	17.5
108	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	0	1	1	15
109	1	1	1	0	0	1	1	0	1	1	1	1	0	1	1	0	1	1	13
110	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18
111	1	1	1	1	1	1	1	1	0.5	0.5	0.5	1	1	1	1	1	1	1	16.5
112	1	1	1	1	1	0	1	1	1	0.5	1	1	0	1	1	1	1	1	15.5
113	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18
114	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	17
115	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	17
116	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	17
117	1	1	1	1	1	1	1	1	0.5	0.5	0.5	1	1	1	1	1	1	1	16.5
118	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18
119	1	1	1	1	1	0	1	1	0.5	1	0.5	1	0	1	1	1	1	1	15
120	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18

Note: Part 1-6 = test clusters (each cluster has 3 items)
 1- 18 = test item number
 TOTAL = sum of correct responses

6. Productive Vocabulary Size – 3000 Word Level

CODE	Part 1			Part 2			Part 3			Part 4			Part 5			Part 6			TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
101	1	0	0	1	1	1	0.5	1	1	1	1	1	0.5	0	0	1	1	1	13
102	1	1	0	1	0	1	0	1	1	1	1	1	0	1	0	0	0	1	11
103	1	1	0	1	1	0.5	1	1	1	1	1	1	0	1	1	1	1	1	15.5
104	0	1	0	1	1	0	1	1	1	1	1	1	0.5	0	0	0	0	1	10.5
105	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18
106	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	15
107	1	1	0	1	1	0.5	1	1	1	1	1	1	1	1	1	1	1	1	16.5
108	1	0	0	1	0	1	1	1	1	1	1	1	0	0	1	0	1	1	12
109	1	1	0	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	14
110	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	17
111	1	0	0	1	1	1	0	1	1	1	1	1	0	0	0	1	1	1	12
112	1	1	0	1	0	1	0.5	0	0	0.5	1	1	0	0	0	0	1	0	8
113	0.5	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	15.5
114	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	16
115	1	1	0	1	1	1	1	1	1	0.5	1	1	0	0	0	1	1	1	13.5
116	0	1	0	1	0	1	0	1	0	1	1	1	0	0	0	0	0	1	8
117	0.5	1	0	1	1	0	0	1	1	1	1	1	0	0	0	0	1	1	10.5
118	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17
119	1	0	0	1	0	0	0	0	1	0	1	1	0	0	0	0	0	1	6
120	1	1	0	1	1	1	0	0	1	1	1	1	0.5	0.5	1	1	1	1	14

Note: Part 1-6 = test clusters (each cluster has 3 items)
1- 18 = test item number
TOTAL = sum of correct responses

7. Productive Vocabulary Size – 5000 Word Level

CODE	Part 1			Part 2			Part 3			Part 4			Part 5			Part 6			TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
101	1	1	1	1	0	0.5	0	1	1	1	0	1	1	0	1	1	1	0	12.5
102	1	1	0	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	15
103	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18
104	1	1	0	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	15
105	1	1	1	1	1	0.5	1	1	1	1	1	1	1	1	1	1	1	1	17.5
106	1	1	1	0	1	0	0.5	1	1	1	1	1	1	0	1	1	1	1	14.5
107	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	17
108	0	0	0	1	0	1	0.5	1	1	1	0	1	0	0	0	1	1	1	9.5
109	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	16
110	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18
111	1	1	0	0	0	1	1	1	1	0	0	1	0	1	1	1	1	0	11
112	1	1	0	0	0	1	1	1	1	0	0	1	0	1	1	1	1	1	12
113	1	1	1	1	1	1	1	1	1	0	0	1	0	0	1	1	1	1	14
114	1	1	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	14
115	1	1	0	1	1	1	1	1	0	0	1	1	1	1	0	1	1	1	14
116	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	15
117	0	1	0	0	0	1	1	1	1	1	0	1	0	0	0	1	1	0	9
118	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	17
119	0	0	0	0	1	1	1	1	0	1	0	1	0	0	1	1	1	1	10
120	0	0	0	0	0	0	0.5	1	1	1	0	1	0	1	0	1	1	1	8.5

Note: Part 1-6 = test clusters (each cluster has 3 items)
 1- 18 = test item number
 TOTAL = sum of correct responses

8. Productive Vocabulary Size – Academic Word Level

CODE	Part 1			Part 2			Part 3			Part 4			Part 5			Part 6			TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
101	1	1	1	1	1	1	1	1	1	1	0.5	0.5	1	1	1	1	1	1	17
102	1	1	1	1	1	1	1	1	1	1	0.5	0.5	1	1	1	1	1	1	17
103	1	1	1	1	1	1	1	1	0.5	1	1	1	1	1	1	1	1	0	16.5
104	1	1	1	1	1	1	1	1	1	1	0.5	0.5	1	1	1	0	1	0	15
105	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18
106	1	1	1	1	1	1	1	1	1	1	0.5	0.5	1	1	1	1	1	1	17
107	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18
108	0	0	1	1	1	1	1	1	0	0	0.5	0	1	1	0	0	0	0	8.5
109	0	1	1	0.5	0.5	1	1	1	0.5	1	1	0	1	1	0	0	0	0	10.5
110	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	16
111	1	0	1	0.5	1	1	1	1	1	1	1	1	1	1	0.5	0	1	0	14
112	1	1	0	1	1	1	0	0	1	0	0.5	1	1	1	1	0	0	0	10.5
113	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	16
114	0	1	1	1	1	1	1	1	0.5	1	1	1	1	1	0	0	0	0	12.5
115	1	1	0	1	1	1	1	1	0	1	0.5	0.5	1	1	1	0	0	0	12
116	1	1	0	1	0.5	1	1	1	1	1	0.5	0.5	1	1	1	0	0	1	13.5
117	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0.5	0	1	0	14.5
118	1	1	1	1	1	1	0.5	0	1	1	1	1	1	1	1	0	1	0	14.5
119	0	1	1	0.5	0.5	1	1	1	0.5	0	1	0	0	1	0.5	0	1	0	10
120	1	1	1	0.5	1	1	1	1	1	1	1	1	1	1	1	0	0	1	15.5

Note: Part 1-6 = test clusters (each cluster has 3 items)
 1- 18 = test item number
 TOTAL = sum of correct responses

I. Research Data Summary

CODE	Writing Quality			Receptive Vocabulary Size					Productive Vocabulary Size				
	R1	R2	Mean	2,000	3,000	5,000	AWL	RVS Score	2,000	3,000	5,000	AWL	PVS Score
101	76	80	78	100	100	93	90	95.75	87	72	69	94	80.5
102	72	78	75	97	70	67	90	81	87	61	83	94	81.25
103	88	85	86.5	100	100	100	97	99.25	100	86	100	92	94.5
104	70	75	72.5	93	90	80	93	89	97	58	83	83	80.25
105	97	92	94.5	100	100	100	100	100	100	100	97	100	99.25
106	89	82	85.5	93	93	90	100	94	86	83	80	94	85.75
107	92	88	90	100	97	97	90	96	97	92	94	100	95.75
108	57	60	58.5	87	73	67	83	77.5	83	67	53	47	62.5
109	65	60	62.5	100	97	77	90	91	72	78	87	58	73.75
110	81	80	80.5	100	100	100	100	100	100	94	100	87	95.25
111	72	78	75	90	87	97	93	91.75	92	67	61	78	74.5
112	68	70	69	97	73	67	77	78.5	86	44	67	58	63.75
113	89	83	86	100	100	100	93	98.25	100	86	78	87	87.75
114	73	75	74	100	93	97	87	94.25	94	87	78	69	82
115	73	75	74	100	93	70	90	88.25	94	75	78	67	78.5
116	70	75	72.5	100	100	77	93	92.5	94	44	83	75	74
117	68	70	69	97	83	60	70	77.5	92	58	50	80	70
118	77	75	76	97	100	93	87	94.25	100	94	94	80	92
119	66	70	68	97	90	93	93	93.25	83	33	55	55	56.5
120	73	70	71.5	97	100	90	93	95	100	78	47	86	77.75